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Patent Abstracts of Japan

PUBLICATION NUMBER : 09134725
PUBLICATION DATE : 20-05-97

APPLICATION DATE : 07-11-95
APPLICATION NUMBER : 07311699

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INT.CL. : H01M 4/58 H01M 10/40

TITLE : NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY

ABSTRACT : PROBLEM TO BE SOLVED: To provide a large-sized secondary battery at a low cost having an excellent charge/discharge characteristic.

SOLUTION: A secondary battery concerned includes a positive electrode active material whose main component is iron complex oxide, which contains alkali metal (A) and is expressed as $AyFeXO_4$, where A is alkali metal, X is an element belonging to Group IV-VII in the periodic table, and (y) is conditioned as $0 < y < 2$, and a negative electrode active material which is a substance capable of absorbing and releasing alkali metal, alkali earth metal, or their ions. The battery also includes an electrolyte which is a substance allowing the alkali metal ions to make movement for generating electrochemical reactions with the positive or negative electrode active material.

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